

<p>95-011642/02 D22 E33 H04 J01 (J04)            SUMTOMO CHEM CO LTD            93.04.12 93JP-084441 (94.10.25) C01F 7/02, B01J 20/08, C01F 7/44,            B01J 21/04            Activated alumina powder - prep'd. by instantly calcining            aluminium hydroxide in hot air stream.            C95-005075</p>	<p>D(9-A) E(34-C1) H(4-E, 4-F2E) J(1-D1, 1-E3C, 4-E3,            4-E4) N(1-C2)</p>
<p>Activated alumina powder which possesses an average secondary            particle diameter of 0.5-10 microns and a pore volume of pores with            radii of up to 100 Angstrom of at least 0.2 cm<sup>3</sup>/g, whose rehydrated            product produced by rehydrating in the presence of water at 80 deg. C            for 24 hours consists of pseudo-boehmite, and which has rehydrating            and hydraulic properties at up to 100 deg. C is new.</p> <p>Also claimed is the preparation of the above-claimed activated alumina            powder, in which aluminium hydroxide with an average secondary            particle dia. of 0.5-10 microns obtained by the Bayer's process is            calcined instantly in a hot air stream at 500-1200 deg. C and a linear            velocity of 5-50m/s for a contacting time of 0.1-10 seconds to an            extent of ignition loss of 3-10 wt. %.</p> <p><u>USE/ADVANTAGE</u></p>	<p>The activated alumina powder obtained can be used as a raw            material of a desiccating agent, adsorbent, catalyst support, FCC            catalyst, and support of a deodorising catalyst. Since the powder            obtained has a large pore volume and good hydraulic property, it            exhibits high adsorptivity and catalytic activity and gives a product            with high mechanical strength.            (5pp0037DwgNo.0/0)</p> <p>JP 06298528-A</p>